Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/22/2019 11:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122650	-2	2.15	122645	2.18
Blue	F	SSC	125000	123639	-2	4.12	124544	4.17
Blue	E	FITC	16694	16227	-3	3.95	377	22.09
Blue	D	PE	32792	32176	-2	3.31	711	16.64
Blue	B	PerCP-Cy5-5	44451	44297	-1	4.72	1214	23.48
Blue	A	PE-Cy7	33645	33282	-2	7.23	602	48.81
Red	C	APC	47008	46392	-2	3.11	1793	13.66
Red	A	APC-Cy7	32298	31651	-3	3.05	794	14.51
Violet	B	V450	8961	8645	-4	5.03	526	20.27
Violet	A	V500	32726	31611	-4	4.69	771	12.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20571	3.80	608	-5	N/A	N/A	Pass
Blue	F	SSC	56048	3.75	582	14	N/A	N/A	Pass
Blue	E	FITC	63	72.41	566	3	0.0154	142	Pass
Blue	D	PE	142	58.69	571	5	0.1292	306	Pass
Blue	B	PerCP-Cy5-5	223	57.93	676	5	0.0071	70	Pass
Blue	A	PE-Cy7	118	120.46	730	4	0.0086	23	Pass
Red	C	APC	410	28.95	615	2	0.0182	107	Pass
Red	A	APC-Cy7	196	31.12	586	1	0.0041	447	Pass
Violet	B	V450	94	67.07	481	-5	0.0117	732	Pass
Violet	A	V500	114	40.70	491	-5	0.0168	1152	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.96	-32.17	1.12
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	16.77	13.60 - 20.40	N/A	N/A	28.97	29.75	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10823

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments